



Mooring and Berthing of Vessels

Overview

The Mooring and Berthing course covers the safe and efficient mooring and berthing of ships at terminals. From the Personnel involved in Mooring and Berthing, types of tugs, mooring and berthing systems, and safety regulations to preparations before the ship's arrival, communication, terminal and ship's mooring equipment inspections, emergency procedures, the use of tugs and berthing at jetty berths, tendering of moorings, tension winches, shore and buoy moorings and pre-berthing planning.

By the end of the course, you will have the knowledge and skills to safely plan and manage mooring and berthing operations in the oil and gas industry.

Course Outline



Mooring and Berthing of Vessels

Module 01 | Roles and Responsibilities of Personnel involved in Mooring and Berthing Vessels

Module 02 | Types of Equipment used in Mooring vessels

Module 03 | Mooring Lines, Winches and Anchors

Module 04 | Tugs

Module 05 | Tanker Mooring Equipment

Module 06 | Mooring Plans and Mooring Line description

Module 07 | Mooring a Vessel at an SPM

Module 08 | Vessel pre-arrival information required prior to Berthing

Module 09 | Management of Moorings and Pre-Berthing Planning

BENEFITS

- Understand the industry overview, types of ships and vessels, mooring and berthing systems and equipment and safety regulations in the oil and gas industry.
- Learn how to plan and prepare for the arrival of ships at terminals, including communication and coordination with the ship's crew, terminal and ship's mooring equipment inspections, emergency procedures and contingency plans.
- Develop skills to safely operate and manage the use of tugs and emergency procedures, berthing at jetty berths, tendering of moorings, tension and winches, shore and buoy moorings.
- Understand the importance of compliance with terminal and local regulations and pre-berthing planning.
- Acquire the knowledge and skills to safely plan and manage mooring and berthing operations in the oil and gas industry.

LEARNING OUTCOMES

- Understand the Personnel involved in Mooring and Berthing, types of tugs, mooring and berthing systems and equipment and safety regulations in the oil and gas industry.
- Learn how to plan and prepare for the arrival of ships at terminals, including communication and coordination with the ship's crew, terminal and ship's mooring equipment inspections, emergency procedures and contingency plans.
- Develop skills to safely manage emergency procedures, berthing at jetty berths, tendering of moorings, tension and winches, and shore and buoy moorings.
- Understand the importance of compliance with terminal and local regulations and pre-berthing planning.
- Acquire the knowledge and skills to safely plan and manage mooring and berthing operations in the oil and gas industry.

Learning Delivery Methodology

Choose your learning path

SELF-PACED LEARNING (LMS)



Our Self-Paced Learning model is designed for flexible, independent study, allowing students to learn at their own pace. This method is ideal for those who prefer structured courses they can access anytime, anywhere.

COHORT LEARNING



On-site Classroom Delivery (In-person)

This traditional learning method involves attending classes in person, providing a structured environment and face-to-face interaction.



Virtual Classroom Delivery (Online Stream)

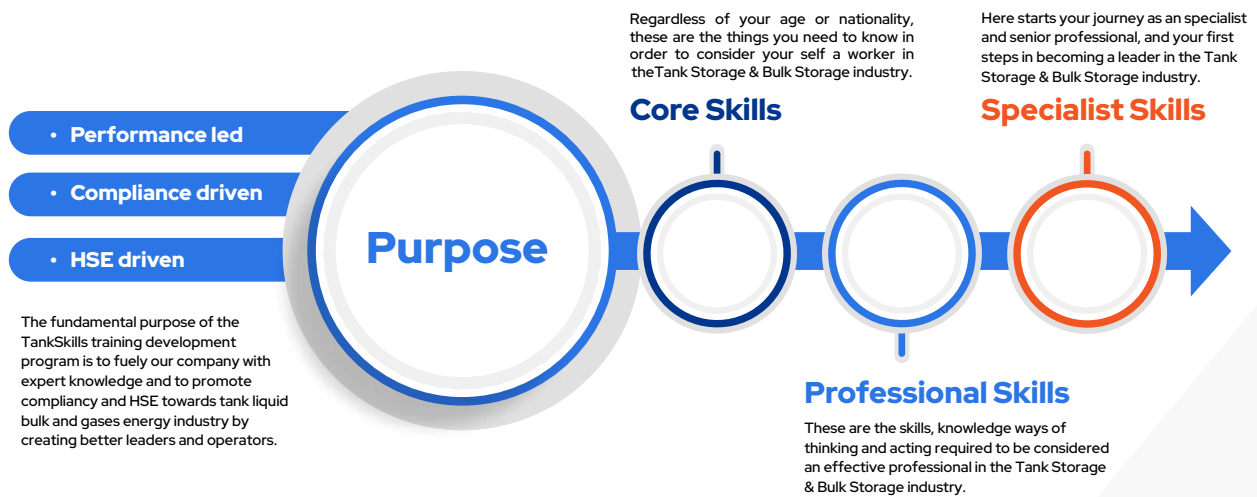
This model offers live, online instruction, mimicking traditional classroom settings and providing an interactive learning experience.



HyFlex Classroom Delivery (Mixed On-site and Online Stream)

The HyFlex Classroom combines in-person and online learning, offering maximum flexibility. Students can choose to attend in-person or stream classes online.

TANKSKILLS PROFESSION MAP



FEATURES



Digital Learning



**Multi-Lingual
Platform**



**Online Portal
for Assessments**



Status Reports



Student Forums



**F2F Virtual
Trainer Support**



**Competency
Framework**



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